Objective: Students will be able to: Define matter and identify examples of matter, Define and identify physical and chemical properties

**\*\*\*What is Chemistry?**

**\*\*\*What is matter?**

Matter: anything that has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and takes up \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* + Mass – the amount of matter in something
  + Volume – the amount of space something occupies

**\*\*\*What is a property?**

**\*\*\*What is a physical property of matter?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ property: a property that can be observed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changing the identity of the substance.

Examples of physical Properties

**Special Physical Properties**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: the temperature at which a substance changes from a solid to a liquid at a given pressure. Example—water = 0oC

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: the temperature at which a substance changes from a liquid to a gas at a given pressure. Example - water = 100oC

**What are chemical properties?**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ property: a property that can only be observed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the identity of the substance
* Examples:

Video Notes:

From the Video answer the following questions.

1. Describe some of the properties of matter.

2. Provide examples of chemical properties.

3. Provide examples of physical properties.